



**Public Works, Ports and Inland Water
Transport Department**

**ANNUAL REPORT
2010 - 2011**

March 2011

CHAPTER - 1

INTRODUCTION

The Public works, Ports and Inland Water Transport Department is the Administrative Department incharge of all matters relating to Public Works, Ports and Inland Water Transport.

The following Ministers/ Principal Secretaries / Secretaries are in charge of respective Departments during 2010-2011

PUBLIC WORKS, PORTS AND INLAND WATER TRANSPORT DEPARTMENT

Hon'ble Minister SRI. C.M. UDASI

PRINCIPAL SECRETARY, PUBLIC WORKS, PORTS AND INLAND WATER TRANSPORT DEPARTMENT

SRI. R.B. AGAWANE, I.A.S., DATE : 31-05-2010, SRI. V. UMESH, I.A.S., DATE : 11-06-2010

SECRETARY, PUBLIC WORKS, PORTS AND INLAND WATER TRANSPORT DEPARTMENT

SRI. N. LAKSHMAN RAO PESHVE, FROM 29-11-2008

The Principal Secretary and the Secretary at the Secretariat level are assisted by Additional Secretary (Technical) and Joint Secretary (Services), two Deputy Secretaries and one Chief Information Officer. The Public Works, Ports and Inland Water Transport Department has a Budget & Fiscal monitoring cell is headed by the Senior Director (Finance) & Ex-officio Special Secretary to Government by giving suitable suggestions and instructions in financial matters.

DEPARTMENT'S MISSION

"Plan, Construct and maintain a safe functional & cost effective core road network, public buildings and Ports infrastructure in Karnataka."

FUNCTIONS

The functions of the Public Works, Ports and Inland Water Transport Department are : Policy Formulation, perspective planning, processing of projects for investment decisions, execution and monitoring of projects and departmental works under Plan programme, Training and Man Power Development, Administration and also enactment of Legislation in respect of all matters falling within the purview of the state in the fields of Public Works, Ports and Inland Water Transport Department.

At the level of heads of Department, it has been divided into three independent zones, each zone being controlled by a Chief Engineer.

PUBLIC WORKS, PORTS AND INLAND WATER TRANSPORT DEPARTMENT (ZONES)

1. Communication & Buildings (North), Dharwad
2. Communication & Buildings (South), Bangalore
3. National Highways, Bangalore

In addition to the above, the Principal Chief Architect, Bangalore, is in-charge of preparation of Architectural drawings pertaining to various functional buildings.

The Chief Engineer, Communication & Buildings (South) Bangalore, co-ordinates the establishment matters relating to Public Works, Ports and Inland Water Transport Department.

Karnataka State Highways Improvement project's, Project Implementation Unit is set up which is headed by Chief Project Officer and a Project Director who implements the project.

KARNATAKA ROAD DEVELOPMENT CORPORATION LTD (KRDCL) :

This Corporation came into existence with effect from 21-7-1999. This Corporation will raise loans from Financial Institutions through bonds for the development of roads and bridges in the state.

PORTS:

The Director of Ports and Inland Water Transport at Karwar handles matters of the State connected with Ports, Shipping and Inland Water Transport and also coastal protection works.

The progress achieved by the department under different schemes are enumerated in the foregoing chapters.

CHAPTER - 2

COMMUNICATION AND BUILDINGS

COMMUNICATION :

The Public Works, Ports and Inland Water Transport Department is incharge of construction and maintenance of National Highways, State Highways and Major District Roads. The construction and maintenance expenditure for National Highways is borne by the Government of India and in respect of State Highways and Major District Roads by the State government. The road network viz National Highways, State Highways and Major District roads which stood at 13,853 km in 1956 has been increased to 75454 Km by 2011.

The comparative details of road length and its surface details from 1956 to 2011 are given below.

Length in Kms

Category of Road	Details of road length as at the end of 31-3-2011						
	1956	1966	1976	1986	1996	2006	2011 (Provisional)
Road Length :							
1) National Highways	864	1269	1968	1968	1997	3973	4490
2) State Highways	5983	6640	7554	7912	11395	17405	20528
3) Major District Roads	7006	13180	*12980	15999	28311	32572	50436
TOTAL	13853	21089	22502	25879	41703	53950	75454
Surface Details :							
a) Cement concrete and black topped	3584	13117	19483	22476	33139	50651	67734
b) Water bound macadam	10106	7209	2825	3159	8075	2624	5729
c) Unmetalled	163	763	194	244	489	675	1991
TOTAL	13853	21089	22502	25879	41703	53950	75454

ROAD DEVELOPMENT PLAN FOR INDIA 2001 – 2021:

The Government of India, Ministry of Surface Transport (Roads wings) has prepared the Road Development Plan for India 2001-2021. In this plan, the concept of Primary, Secondary & Tertiary road system has been introduced for the purpose of transport planning, functional identification, earmarking administrative jurisdiction and assigning priorities on a road network.

The primary system shall comprise of proposed Express ways and the National Highways. The secondary system shall consist of the State Highways and Major District Roads and the Tertiary System shall consist of the Other District Roads and Village Roads. The latter two categories are also commonly known by the term "Rural Roads " since they represent the links to the Rural area of the Country.

In this plan, it is proposed that the aspirations of the common man should be taken into consideration and road length is defined in terms of certain fixed and tangible objectives, having due regard to the popular demands for better type of roads as suggested hereunder.

- a) The length of the National Highways is calculated on the basis of the demands from the various states ,subject to the consideration that the National Highways may not be very close to each other, except in areas where no other convenient transport facility exists.
- b) The length of the State Highways, is calculated in such a fashion that the State Highways connect major Industrial Centres, District places, Taluk/Tahasil Head-quarters, places of commercial interest, tourist centres, major agricultural produce markets and also major growth centres in tribal areas.
- c) All villages with a population of 1500 and above should lie atleast on Major District Roads.
- d) All villages in the population group of 1000 to 1500 should lie at least on other district roads.
- e) All villages or cluster of villages in the population group of 500 to 1000 should be connected at least by village roads.
- f) Villages or cluster of villages with a population upto 500 should lie from any nearby road within a distance of 3 Kms in the plain country and 5 Kms in hilly country areas.
- g) It is also visualised in the plan that the improvement of the existing secondary road network is framed on the basis of the following guidelines.
 - i) While consideration of traffic should govern the pavement width to be provided, it is also desirable that at least 50 percent of the existing State Highways length should have a two lane pavement by 2012 and 50 percent of the existing State Highways length have an intermediate pavement width by 2012.
 - ii) All bridges and culverts should be capable of withstanding the design loading.
 - iii) All the existing secondary routes (State Highways and Major District Roads) should be fully black topped by 2012 with pavement structures suitably strengthened.
 - iv) Bye-pass should be provided at District and Sub-Divisional Head-quarters, if the road and traffic conditions demand their provision.
 - v) Submersible bridges, with interruptions of traffic and permitted with regard to duration and frequency may be allowed on State Highways and Major District Roads so as to economise the expenditure.

Statement showing the Financial Targets and Achievements under State Sector Schemes during 2007-08, 2008-09, 2009-10 and 2010-11

Schemes	2007-2008				2008-2009			
	Financial (Rs. lakhs)		Physical*		Financial (Rs. lakhs)		Physical*	
	T	A	T	A	T	A	T	A
1	2	3	4	5	6	7	8	9
I. State Sector Schemes :								
1) Bridges	25.00	7.24	1 bridge	0 bridge	25.00	25.00	4	4
2) Other Roads Formation	9605.00	8740.73	810	702	31148.50	31148.50	-	-
3) Construction/Impvt.of roads and bridge under NABARD	10374.00	15228.29	1388	1182	36100.00	36100.00	1315.00	1464.40
	1805	922.21	28 bridges	20 bridges			35 bridges	27 bridges
4) Mandya Package	1479.00	1521.07	-	-	-	-	-	-
5) Bellary Package (Rs.100crores programme)	4478.34	820.93	-	-	-	-	-	-
6) Central Road Fund (CRF)	-	-	-	-	-	-	-	-
7) 3054(Plan) Chief Minister Rural Road Fund	30000.00	30234.00	-	-	35298.50	35298.50	-	-
8) Imp. of Roads in and around Bangalore City	30000.00	30000.00	300	121	24000.00	20000.00	240.00	105.49
9) Land Acquisition Charges	1912	1912	-	-	-	-	-	-
10) Development of Ring Road in Hassan	5000	660	-	-	-	-	-	-
11) Development of Backward taluks according to Dr. D.M.Nanjundappa Report	12499.73	9210.88	653	444.24	1224.36	1224.36	50	43
12) Special Component Programme (SCP) (ORF)	4904.00	1531.00	687	355	5461.00	3578.78	-	412.34
13) Tribal Sub Plan (TSP) (ORF)	2083.00	593.00	317	235	2167.00	1395.60	-	231.10
14) Suvarna Rasthe Vikasa Yojane (SDP)	-	-	-	-	-	-	-	-
15) S.H. Maintenance	-	-	-	-	-	-	-	-
16) Suvarna Rasthe Vikasa Yojane	-	-	-	-	-	-	-	-
17) Dr. D.M. Nanjundappa Report SDP (NABARD)	-	-	-	-	-	-	-	-
18) S.C.P. (NABARD)	-	-	-	-	-	-	-	-
19) T.S.P. (NABARD)	-	-	-	-	-	-	-	-
20) Renewal of State Highways	-	-	-	-	-	-	-	-
21) Renewal of State Highways(SCP)	-	-	-	-	-	-	-	-
22) Renewal of State Highways(TSP)	-	-	-	-	-	-	-	-
Total	108207.73	99039.35	-	-	135424.36	128770.74	-	-
Supporting Schemes								
1) Direction & Administration	200.00	200.00	-	-	200.00	200.00	-	-
2) Machinery & Equipment :	39.00	39.00	-	-	39.00	39.00	-	-
3) Others	-	-	-	-	-	-	-	-
Total	239.00	239.00	-	-	239.00	239.00	-	-
TOTAL STATE SECTOR	108446.73	99278.35	-	-	135663.36	129009.74	-	-

Physical * 1) Roads in Km.
2) Bridges in Nos.

Schemes	2009-2010				2010-2011			
	Financial (Rs. lakhs)		Physical*		Financial (Rs. lakhs)		Physical*	
	T	A	T	A	T	A	T	A
10	11	12	13	14	15	16	17	18
I. State Sector Schemes :								
1) Bridges	-	-	-	-	-	-	-	-
2) Other Roads Formation	70263.66	70263.66	260.00	2611.45	98208.22	97803.50	330.00	1906.21
3) Construction/Impvt.of roads and bridge under NABARD	26870.40	26870.40	1064.00	2050.49	12500.40	17402.91	1994.86 21 bridges	1237.67 6 bridges
4) Mandya Package	-	-	-	-	-	-	-	-
5) Bellary Package (Rs.100crores programme)	-	-	-	-	-	-	-	-
6) Central Road Fund (CRF)	20556.00	20556.00	882.35	1221.61	15000.00	14993.51	695.00	614.82
7) 3054(Plan) Chief Minister Rural Road Fund	18000.00	18000.00	12100.00	18138.94	35000.00	34923.32	-	-
8) Imp. of Roads in and around Bangalore City	-	-	-	-	-	-	-	-
9) Land Acquisition Charges	-	-	-	-	-	-	-	-
10) Development of Ring Road in Hassan	-	-	-	-	-	-	-	-
11) Development of Backward taluks according to Dr. D.M.Nanjundappa Report	-	-	-	-	-	-	-	-
12) Special Component Programme (SCP) (ORF)	5000.00	4958.61	429.21	220.85	1409.06	1372.58	102.18	102.18
13) Tribal Sub Plan (TSP) (ORF)	1382.64	1382.00	229.00	98.72	3619.72	3363.00	178.52	147.48
14) Suvarna Rasthe Vikasa Yojane (SDP)	5000.00	4600.00	246.00	209.44	5500.00	5308.72	615.06	318.73
15) S.H. Maintenance	4000.00	4000.00	-	-	5000.00	4981.49	11306.95	9189.31
16) Suvarna Rasthe Vikasa Yojane	10000.00	10000.00	1238.26	472.93	12000.00	11950.27	1022.23	663.92
17) Dr. D.M. Nanjundappa Report SDP (NABARD)	8000.00	7998.67	384.00	197.25	13000.00	7980.00	413.49	489.41
18) S.C.P. (NABARD)	4381.60	4121.59	285.00	244.56	8500.00	7008.40	278.60	272.72
19) T.S.P. (NABARD)	1500.00	1500.00	134.13	91.07	-	-	-	-
20) Renewal of State Highways	-	-	-	-	9029.00	6510.00	991.97	734.19
21) Renewal of State Highways(SCP)	-	-	-	-	4000.00	2057.00	190.00	136.77
22) Renewal of State Highways(TSP)	-	-	-	-	1971.00	1156.43	83.35	72.89
Total	174954.30	174250.92	-	-	224737.40	216811.13	-	-
Supporting Schemes								
1) Direction & Administration	200.00	200.00	-	-	200.00	200.00	-	-
2) Machinery & Equipment :	39.00	39.00	-	-	39.00	39.00	-	-
3) Others	-	-	-	-	-	-	-	-
Total	239.00	239.00	-	-	239.00	239.00	-	-
TOTAL STATE SECTOR	175193.30	174489.92	-	-	224976.40	217050.13	-	-

T. TARGET A. ACHIEVEMENT

Physical * 1) Roads in Km.
2) Bridges in Nos.

BUILDINGS

Grants and Expenditure details for the year 2009-10 and 2010-2011

Rs. in lakhs

Sl No.	Names of Existing & New Schemes	2009-10		2010-11	
		Grant	Expenditure	Grant	Expenditure
I	Buildings				
	4059 Plan :				
1.	H/A 4059-80-051-0-29 (Plan) Construction of Departmental buildings	21858.00	21598.65	9380.00	9367.10
2.	H/A 4059-80-051-0-32 Court buildings	1000.00	270.37	2500.00	2345.26
3.	H/A 4059-80-051-0-38 (Plan) Circuit Bench at Dharwad & Gulbarga	3200.00	2500.00	1500.00	1099.99
4.	H/A 4059-80-051-0-40 (Plan) Construction of Suvarna Soudha at Belgaum	7000.00	7000.00	15000.00	12609.99
5.	H/A 4059-80-051-0-42 (Plan) Construction of Departmental buildings (SCP)	00.00	0.00	2000.00	0.00
6.	H/A 4059-80-051-0-34 (Plan) RTO Buildings	0.00	0.00	1500.00	774.20
	Total	33058.00	31369.02	31880.00	26196.54
	4216 (Plan) - Residential buildings :				
1.	H/A 4216-01-700-2-01 (Plan) Construction of Residential buildings	5600.00	4496.03	5500.00	3669.00
2.	H/A 4216-01-700-2-25 (Plan) Construction of High Court Judges & Staff Quarters at H.S.R. Layout	1500.00	119.27	1500.00	0.00
	Total	7100.00	4615.30	7000.00	3669.00

BUILDINGS

Grants and Expenditure details for the year 2009-10 and 2010-2011

Rs. in lakhs

Sl No.	Names of Existing & New Schemes	2009-10		2010-11	
		Grant	Expenditure	Grant	Expenditure
	2059 & 2216 (Plan)				
1.	H/A 2059-80-053-4-00-147 (Plan) Construction of Departmental buildings	300.00	300.00	300.00	300.00
2.	H/A 2216-01-700-2-4 &12 (Plan) Maintenance of Residential buildings	400.00	200.00	500.00	475.00
	Total	700.00	500.00	800.00	775.00
	2059 & 2216 (Non-Plan)				
1.	H/A 2059-80-053-4-00-200 (Non-Plan) Maintenance of Departmental buildings	13101.47	13101.17	21911.29	21833.94
2.	H/A 2059-80-053-5-02-200 (Non-Plan) 12th Finance Commission	1320.00	1204.30	0.00	0.00
3.	H/A 2216-01-700-3-01-200 (Non-Plan) Maintenance of Residential buildings	5313.00	5313.00	5844.30	5822.50
4.	H/A 2216-01-700-4-00-221 (Non-Plan) Furnishing	630.00	0.00	693.33	636.44
5.	H/A 2216-80-800-0-03-200 (Non-Plan) Karnataka Bhavan, New Delhi	0.00	0.00	30.00	30.00
	Total	20364.47	19618.47	28478.92	28322.88
	Total Buildings	61222.47	56102.79	68158.92	58963.42

Roads & Bridges
Grants and Expenditure details for the year 2009-10 and 2010-2011

Rs. in lakhs

Sl No.	Names of Existing & New Schemes	2009-10		2010-11	
		Grant	Expenditure	Grant	Expenditure
	5054 - (Plan)				
	Roads & Bridges :				
1.	H/A 5054-03-337-0-02-172 (Plan) Construction of other roads	70263.66	70263.66	98208.22	97803.50
2.	H/A 5054-03-337-0-02-422 (Plan) Special Component Plan	5000.00	4958.61	1409.06	1372.58
3.	H/A 5054-03-337-0-02-423 (Plan) Tribal Sub-Plan	1382.64	1382.00	3619.72	3363.00
4.	H/A 5054-03-337-0-13-172 (Plan) Renewal of State Highways	0.00	0.00	9029.00	6510.00
5.	H/A 5054-03-337-0-13-422 (Plan) Renewal of State Highways (SCP)	0.00	0.00	4000.00	2057.00
6.	H/A 5054-03-337-0-13-423 (Plan) Renewal of State Highways (TSP)	0.00	0.00	1971.00	1156.43
7.	H/A 5054-04-800-1-09-172 (Plan) Suvarna Rasthe Vikasa Yojane	10000.00	10000.00	12000.00	11950.27
8.	H/A 5054-04-800-1-09-133 (Plan) Special Development Programme (as per Dr. D.M. Nanjundappa Report)	5000.00	4600.00	5500.00	5308.72
	NABARD :				
1.	H/A 5054-04-800-3-01-436 (Plan) NABARD Rural Roads	26870.40	26870.40	12500.40	17402.91
2.	H/A 5054-04-800-3-01 (Plan) NABARD SDP	0.00	0.00	13000.00	7980.00
3.	H/A 5054-04-800-3-01-422 (Plan) SCP	4381.60	4121.59	8500.0	7008.40
4.	H/A 5054-04-800-3-01-423 (Plan) TSP	1500.00	1500.00	0.00	0.00
5.	H/A 5054-05-337-1-01-172 (Plan) Road works of inter state importance (N.H.)	1774.00	1771.50	650.00	650.00
6.	H/A 5054-05-337-2-01-172 (Plan) Road works of economic importance (N.H.)	1376.00	1376.00	1200.00	1200.00
7.	H/A 5054-04-800-2-172 (Plan) Central Road Fund	20556.00	20556.00	15000.00	14993.51
	Total	148104.30	147399.76	186587.10	178756.32

Rs. in lakhs

Sl No.	Names of Existing & New Schemes	2009-10		2010-11	
		Grant	Expenditure	Grant	Expenditure
	3054 - (Plan & Non-Plan)				
	3054 - (Plan) Major District Roads & State Highways				
1.	H/A 3054-04-337-1-09-172 (Plan) Mukya Mantri Grameena Rasthe Abhivrudhi Yojene	18000.00	18000.00	35000.00	34923.32
2.	H/A 3054-04-337-1-09-172 (Non-Plan) Mukya Mantri Grameena Rasthe Abhivrudhi Yojene	0.00	0.00	10000.00	9806.51
3.	H/A 3054-03-337-0-05-200 (Plan) State Highway Maintenance	4000.00	4000.00	5000.00	4981.49
4.	H/A 3054-04-105-1-01-200 (Non-Plan) 12th Finance Commission	9615.00	9405.72	0.00	0.00
5.	H/A 3054-04-800-1-01-200 (Non-Plan) Maintenance Roads & bridges	0.00	0.00	15000.00	14947.48
6.	H/A 3054-03-102-0-01-200 (Non-Plan) Maintenance of bridges	0.00	0.00	626.28	294.72
	Total	31615.00	31405.72	65626.28	64953.52
	KSHIP				
1.	H/A 5054-03-337-0-81-172 Development of State Highways KSHIP-I	15500.00	15500.00	3000.00	2000.00
2.	H/A 5054-03-337-0-84-172 (Plan) Development of State Highways KSHIP-II	0.00	0.00	24000.00	9500.00
	KSHIP Total	15500.00	15500.00	27000.00	11500.00
	KRDCL				
1.	H/A 5054-80-190-0-01-132 (Plan) Capital Expenses	52500.00	52500.00	30000.00	30000.00
2.	H/A 5054-80-190-0-01-240 (Non-Plan) Debt Servicing (HUDCO Repayment)	13500.00	13240.00	13500.00	11918.81
	KRDCL Total	66000.00	65740.00	43500.00	41918.81
	Roads & bridges Total	261219.30	260045.48	322713.68	297128.65

CHAPTER – 3

DETAILS OF PLAN SCHEMES

A) CENTRAL ROAD FUND (CRF)

Government of India releases funds under Central Road Fund to the State. The CRF Funds were shared by both National Highways and Communications and Buildings (South and North Zones). The work taken up by these departments is to the tune of Rs. 150.00 crore and amount utilized upto 31-3-2011 is Rs.150.00 crores.

B) KARNATAKA STATE HIGHWAY IMPROVEMENT PROJECT - KSHIP-1

1. Project Details :

1.1 The Karnataka State Highways Improvement Project (KSHIP) is an initiative of Public Works, Ports and Inland Water Transport Department to improve State Highways in the State. Under KSHIP -1, 2414 Kms of State Roads were taken up for improvement at original project cost of Rs. 2030 crores with the loan from World Bank. The 80% of the project cost (Rs. 1635 crores) is borne out of the World Bank loan and balance amount (Rs. 395 crores) is met out of State funds.

1.2 Major Component of the Project :

- a) Improvements to roads (Upgradation and Rehabilitation)
- b) Construction, Supervision & Contract Administration Consultants, Technical Audit Service Consultants and Project Co-ordinating Consultants.
- c) Institutional Development Strategy (IDS) for Public Works, Ports and Inland Water Transport Department
- d) Resettlement & Rehabilitation of Project Affected Families.
- e) Environmental Mitigation Measures.
- f) Road Safety Activities.

2. Physical progress of the Project :

The total project length is of 2414 Kms. with deletion of a length 23 Kms. which passes through forest area. Physically a road length of 2391 Kms. (99.03%) has been completed and opened to traffic.

3. The project cost is revised to Rs. 2390 crores. The outstanding works are programmed to be completed by the end of July 2010. The financial progress achieved to end of March 2010 is Rs. 2360 crore.
4. The World Bank has noted the project implementation as satisfactory and has rated KSHIP-1 as one of the highest performance shown projects among the World Bank aided projects in the State.

Karnataka State Highway Improvement Project II - KSHIP-II

1. Encouraged by the success of KSHIP-I, the Government decided to undertake development of further State Highways of the Core Road Network in the State through another project, the KSHIP-II, and pursuant to the decision of the cabinet in its meeting held on 29-09-2005 & 10-11-2006 the Government vide G.O.No.PWD 61 EAP 2006, Bangalore, dated 25-11-2006 has approved taking up of improvement of road length of 3411 Kms. of State Highways under KSHIP-II.
2. All the roads are proposed for upgradation to a min. 2 lane carriage way. The preparation of Detailed Project Report (DPR) for the project roads has commenced from March 2007. The DPR for 3411Kms has been completed by March, 2010.
3. Under KSHIP-II, Phase-I 831 Km. of roads will be developed. Detailed Project Report (DPR) for the Phase-I roads is prepared and already 269 Km. of roads awarded under Engineering Procurement Contract (EPC). Remaining road length will be taken under BOT Annuity basis.

4. ADB assisted road works :

Asian Development Bank will assist to develop 615 Km. of road length under KSHIP-II, Phase-II. The total assistance from ADB will be US \$ 315 million (Rs. 1418 crore) pre qualification for bidders will be finalized during July/August 2011.

5. Remaining road length of 1930 Km. under KSHIP-II will be taken on Public Private Participation (PPP).

C) CONSTRUCTION OF BRIDGES AND DEVELOPMENT OF ROADS UNDER NABARD LOAN ASSISTANCE.

The State has been receiving NABARD Loan Assistance through "Rural Infrastructure Development Fund" for Rural Road and Bridge Works since 1996-97. The focus of NABARD assistance is for the development and improvements of rural roads in terms of connectivity. The scheme is being implemented by the Public Works, Ports and Inland Water Transport Department. NABARD assistance is in the form of loan. Initially, the Government has to incur expenditure out of its resources and later the amount so spent on individual work is to be got reimbursed from NABARD.

The progress of NABARD works to end of March 2011 is as follows :

NABARD (R.I.D.F.) PLAN AS ON 31-3-2011							Rs. in crore
Scheme	Total Works	Works completed	Work in progress	Estimated amount	NABARD loan assistance	Expenditure	Loan availed
	1	2	3	4	5	6	7
R.I.D.F- XI	482	478	4	257.16	181.58	257.18	172.02
R.I.D.F- XII	562	557	5	310.05	248.30	320.18	238.18
R.I.D.F- XIII	542	504	38	328.25	262.60	303.48	242.22
R.I.D.F- XIV	353	210	143	277.89	222.31	161.56	142.46
R.I.D.F- XV	286	61	225	207.20	165.76	54.10	49.74
R.I.D.F-XVI	452	0	334*	323.97	259.18	0.24	0.24
Total	2677	1810	749	1704.52	1339.73	1096.74	844.86

R.I.D.F. II to IX schemes are already closed.

CHAPTER 4

KARNATAKA ROAD DEVELOPMENT CORPORATION LIMITED (KRDCL)

The Government has constituted "Karnataka Road Development Corporation Limited" vide Government Order No PWD 172 CRM 97 dated 1/6/1999 and this was established on 21st July 1999 as a wholly owned Government of Karnataka enterprise.

The structure and the role of the corporation is as detailed below :

- (a) The Corporation is established under companies Act 1956 [SL No. of 196 (56)] as a Public Limited Company wholly owned by Government of Karnataka and is under the administrative control of the Public Works Department.
- (b) The Corporation will take up development programme for Roads, Bridges and other related infrastructure development works connected with surface transport.
- (c) The corporation has its Registered Office at Bangalore.
- (d) The Corporation has an initial Authorised Share capital of Rs 200.00 crores. The initial paid up capital of Rs 10.00 crores will be subscribed in cash.
- (e) The corporation functions under the supervision and control of the Board of Directors.

Source of funding / Income for the Road Development Corporation.

- (i) Budgetary provisions for specific projects.
- (ii) Toll collections on roads transferred to Corporation by the State Government.
- (iii) Grant-in Aid received from the Government.
- (iv) Levy of Tax/ duty for provision of infrastructure facilities.

The State Government guarantees the repayment of any loans and payment of interest on all or any of the loans/borrowings of the Corporation etc.

Projects for implementation under Karnataka Road Development Corporation Limited :

Karnataka Road Development Corporation Limited has taken up various projects for implementation by raising funds from financial institutions such as HUDCO. It has already raised Rs. 805 crores loan from HUDCO.

The details of Projects taken up by Karnataka Road Development Corporation Limited are as below :

A	Roads	
1	Widening and strengthening of Mysore- Bantwal road	
	i) Package-B (Kushalnagar to Sampanje)	60.20 Kms.
	ii) Package-C (from Sampanje to Bantwal)	71.90 Kms.
2	Improvements to road from Belgaum to Chorla (via Jamboti Peeranavadi)	50.10 Km.
3	Construction of Grade Separator at Kengeri on Bangalore-Mysore road	–
4	Improvement to Wagdhari-Ribbanpalli road on BOT basis under V.G.F.	141.20 Kms.
5	Improvements to Dharwad-Alnwar-Ramanagara road on BOT basis under V.G.F.	60.40 Kms.
6	Chikkanayakanhalli-Tiptur-Hassan road on BOT basis under V.G.F.	77.00 Kms.
7	Construction of outer ring road to Hassan	53.00 Kms.
8	Improvement and Widening of Hubli-Lakshmeshwara road (Mangasuli-Lakshmeshwar SH-73) in Hubli and Kundagol taluk of Dharwad and Gadag Dist. Km. 0.00 to 42.96 annuity work	42.96 Kms.
B	Bridges	
9	Construction of bridges-Phase-II	255 Bridges
10	Construction of bridges - Phase-III	169 Bridges
11	Construction of bridge under Phase-IV	71 Bridges
12	Maharudrappannahalla in Bagalkote district.	1 Bridge
13	Construction of bridge at Km. 11.00 of Sagar Pataguppa Rd Hosanagar Tq.	1 Bridge
14	Construction of bridge at Km. 4.32 and Km. 4.72 across Ghataprabha river on Ghataprabha Railway Station to Konnur Village	2 Bridges
15	Construction of bridge across Malaprabha river at Km. 48.20 near Munavalli on Arabhavi Challikere Road	1 Bridge
16	Construction of bridge across Krishna near Jambagi in Bagalkote District	1 Bridge
17	Construction of bridge across Tungabhadra river on Devasugur- Kattagoda SH-13 at Km. 56.50 in Raichur District.	1 Bridge

1. Widening and Strengthening of Mysore - Bantwal Road :

The total length of road proposed for improvements is 220 Km. The total estimated cost of this project is Rs. 266.00 crores.

Under this scheme it is proposed to construct 4 lane road from Mysore to Bilikere cross and balance length it is proposed reconstruct 2 lane carriageway with earthen shoulders. It is proposed to provide two lane 7.00 mtr. carriageway with 2.50 m earthen shoulder on both sides of the carriageway for most part of the road. This work is proposed to be taken up in 3 packages.

Package	Destination	Length in Km.	Contract/Estimated Amount in Crores
Package A	Mysore to Kushalnagar	86.66	156.69 (work completed)
Package B	Kushalnagar to Sampaje	60.20	129.00
Package C	Sampaje to Bantwal	71.90	176.00
	TOTAL	218.76	332.69

The work of **Package-A** for a length of 86.66 Km. is awarded at a tender cost of Rs. 156.69 crores and work commenced on 23-05-2005 and completed on April 2010.

The work of **Package-B** for a length of 60.20 Km. is awarded at a tender cost of Rs. 129.00 crores and work commenced on 25-10-2006 and under progress. Due date of completion is April 2011. The project is likely to be completed by March 2012. The total expenditure incurred upto end of March 2011 is Rs. 76.13 crores.

The work of **Package-C** for length of 71.90 Km is awarded at a tender cost of Rs. 176.00 crores and work commenced on January 2010 and is under progress. Due date of completion is 20-06-2012. The total expenditure incurred upto end of March 2011 is Rs. 3.92 crores.

2. Improvements to road from Belgaum to Chorla (via Jamboti Peeranavadi) :

The improvements to 50.10 Km. length of Belgaum-Chorla road via Peeranawadi-Jamboti road is taken up at a tendered amount of Rs. 75.58 crores. The work commenced on 14-09-2007 and is under progress. Work in Non Forest Area of 17 Km. has been completed. The balance work is in progress. During the year 2010-11 expenditure incurred is Rs.14.65 crores and overall expenditure is Rs. 34.90 crores.

3. Construction of Grade Separator at Kengeri on Bangalore - Mysore road :

The construction of a Grade Separator is taken up on Bangalore-Mysore road near Kengeri town at an contract amount of Rs. 22.99 crores. The work is commenced on 29-05-2006. The work of Bangalore to Upanagar loop and Mysore to Upanagar has been completed and work in other reaches is in progress. Expenditure during 2010-11 is Rs. 4.76 crore and overall expenditure is Rs. 20.20 crores.

4. Construction of Outer Ring Road to Hassan town :

The construction of 4 lane outer ring road for 53 Km. length is taken up at contract amount of Rs. 187.67 crores. However due to land acquisition problems the work could not be started. As the contract period is over the contract has been closed. Now the land acquisition is under process.

5. Wagdhari - Ribbanpalli road (Maharashtra Border to A.P. Border Road (141.2 Km.) :

It is a BOT- VGF project. Concession period 30 years including 2 years construction and 28 years maintenance with periodical maintenance. It is tollable road. The total length of road proposed for improvement is 141.20 Km. at a project cost of Rs. 242.75 crores. The work is under progress. A physical progress of 40 Km. length is achieved upto DBM level during 2010-11.

6. Dharwad - Alwar - Ramanagara Road (60.40 Km.) :

It is a BOT - VGF project. Concession period 30 years including 2 years construction and 28 years maintenance with periodical maintenance. It is tollable road. The total length of road proposed for improvement is 60.40 Km. at a project cost of Rs. 237.60 crores. The work is under progress. A physical progress of 10 Km. length is achieved upto DBM level during 2010-11.

7. Chikkanayakanhalli-Tiptur-Hassan Road on BOT Basis (77.00 Kms.)

It is BOT-VGF project, Concession period is 30 years including 2 years construction and 28 years maintenance with periodical maintenance. It is tollable road. The total length of road proposed for improvement is 77.00 Km. at a project cost of Rs. 241.76 crores. Government has approved the bid and concession agreement will be executed shortly.

8. Improvements and Widening of Hubli - Lakshmeshwara Road (Mangasuli - Lakshmeshwar SH-73) in Hubli and Kundagol taluk of Dharwad and Gadag district Km. 0.00 of Km. 42.96 :

Total length of road proposed for improvement is 43.00 Km. at an estimated cost of Rs.103.50 crores. The work is taken up on Annuity Basis and is under progress. Due date of completion is November 2011. As on 31-03-2011, the entire stretch of road is completed except ROB, portion of drain works, road furniture etc., The work will be completed in all respect with in the due date of completion.

9. Construction of Bridges under Phase II :

Construction of 255 bridges, costing more than 25 lakhs amounting to Rs. 246.00 crores are taken up by KRDCCL in 4 packages This work is awarded to M/s Nagarjuna Construction Co.Ltd. and M/s Gammon India Ltd. 2 packages each in May 2005 and the agencies have to complete all the bridges within 3 years. Construction of 255 bridges 239 bridges are completed. 16 bridges are under progress.The total expenditure incurred is Rs. 207.88 crores.

10. Construction of bridges under Phase III :

Construction of 169 bridges, costing more than 25 lakhs amounting to Rs. 226.00 crores are taken up by KRDCCL in 4 packages. This work is awarded to M/s Nagarjuna Construction Co. Ltd. and M/s Gammon India Ltd., 2 packages each in September 2006 and the agencies have to complete all the bridges within 3 years. Out of 169 bridges, 116 bridges are completed, 53 bridges are under progress. The total expenditure incurred is Rs. 168.64 crores.

11. Construction of bridges under Phase IV :

Construction of 71 bridges, costing more than 25 lakhs amounting to Rs. 82.69 crores are taken up by KRDCCL in 4 packages. This work is awarded to M/s Nagarjuna Construction Co. Ltd. and M/s Gammon India Ltd., 2 packages each in October 2007 and the agencies have to complete all the bridges within 3 years. Out of 71 bridges, 27 bridges are completed, 44 bridges are under progress. The total expenditure incurred is Rs. 56.73 crores.

12. Construction bridge across Maharudrappahalla on Raichur - Bachi road near Bagalkot town :

Consturction of bridge across Maharudrappahalla on Raichur - Bachi road near Bagalkot town is taken up by KRDCCL at a contract amount of Rs. 32.94 crores. The work is commenced on 20-02-2009 and works is under progress. The total expenditure upto March 2011 is Rs. 12.57 crores

13. Construction of bridge at Km. 4.32 and Km. 4.72 across Ghataprabha river on Ghataprabha Railway Station to Konnur Village :

Construction of bridge at Km. 4.32 and Km. 4.72 across Ghataprbha River on Ghataprabha Railway Station to Konnur Village is taken up by KRDCCL at a contract amount of Rs. 15.99 crores. The work has commenced on 15-03-2010 and is under progress. The expenditure during 2010-11 is Rs. 2.37 crores.

14. Construction of bridge across Malaprabha river at Km. 48.20 near Munavalli on Arabhavi Challikere road :

Construction of bridge across Malaprabha river at Km. 48.20 near Munavalli on Arabhavi Challikere road is taken up by KRDCCL at a contract amount of Rs. 10.38 crores. The work has commenced on 16-02-2010 and is under progress. The expenditure during 2010-11 is Rs. 2.27 crores.

15. Construction of Bridge at Km. 11.00 Sagar Pataguppa Road is Hosanagar Tq.

Construction of bridge at Km. 11.00 of Sagar pataguppa road is taken up by KRDCL at a contract amount of Rs. 22.74 crores. The work is commenced on 02-06-2008 and work is under progress. The total expenditure incurred is Rs. 7.24 crores.

16. Construction of bridge across Krishna river near Jambagi village in Bagalkote district.

Construction of bridge across Krishna river near Jambagi village in Bagalkot District is taken up by KRDCL at a contract amount of Rs. 38.98 crores. The work has commenced on 07-07-2010 and is under progress. The total expenditure incurred is Rs. 0.88 crores.

17. Construction of bridge across Tungabhadra river on Devasugur - Kattagoda SH-13 at Km. 56.50 in Raichur District.

Construction of bridge across Tngabhadra river on Devasugur- Kattagoda SH-13 at Km. 56.50 in Raichur district is taken by KRDCL at a contract amount of Rs. 43.15 crores. The work has commenced on 12-07-2010 and work is under progress. The total expenditure incurred is Rs. 12.16 crores.

CHAPTER - 5

BUILDINGS

This Department is incharge of construction and maintenance of Government buildings. The estimated capital cost of buildings incharge of P.W.P. & I.W.T.D. as at the end of 31-3-2011 is Rs.1578.40 crores. The portion of residential and non-residential building is Rs. 471.58 crores and Rs. 1106.82 crores estimated respectively.

Expenditure incurred on maintenance of buildings during 2010-2011 as at the end of March 2011 is Rs.218.34 crores.

The Expenditure incurred on maintenance from 1987-88 to end of March 2011 is as under :

	Rs. in Crores	
Year	Expenditure for maintenance (under Head of account 2059)	Expenditure under 2059 (Non Plan) 12th Finance Commission
1987-88	4.31	
1988-89	7.12	
1989-90	8.99	
1990-91	12.12	
1991-92	16.82	
1992-93	18.03	
1993-94	16.39	
1994-95	18.62	
1995-96	22.08	
1996-97	25.51	
1997-98	28.05	
1998-99	36.15	
1999-2000	52.95	
2000-2001	52.67	
2001-2002	52.48	
2002-2003	104.33	
2003-2004	76.73	
2004-2005	130.68	
2005-2006	112.50	
2006-2007	146.88	13.20
2007-2008	151.04	12.27
2008-2009	125.77	9.13
2009-2010	131.01	12.04
2010-2011	218.34	

MAINTENANCE OF ROADS

Expenditure incurred on maintenance and repairs to roads and bridges (State Highways and Major District Roads)

Rs. in Crores

Year	Expenditure for maintenance (under Head of account 3054)	Expenditure under 3054 12th Finance Commission
1988-89	25.94	
1989-90	40.58	
1990-91	45.86	
1991-92	53.59	
1992-93	66.08	
1993-94	57.85	
1994-95	52.47	
1995-96	65.09	
1996-97	77.42	
1997-98	75.60	
1998-99	98.49	
1999-00	122.13	
2000-01	120.12	
2001-02	89.00	
2002-03	108.63	
2003-04	90.61	
2004-05	198.98	
2005-06	274.46	
2006-07	387.71	146.15
2007-08	300.00	136.00
2008-09	352.98	142.59
2009-10	220.00	94.06
2010-11	652.70	—

ROAD TRAFFIC IN KARNATAKA :

The department conducts detailed Road Traffic Census once in five years for a period of 7 days on all the roads in the State. Annual sample surveys are being conducted every year.

The results of detailed Road Traffic survey conducted during 2009-2010 with reference to the base year 1970-71 tabled as follows :

Category of Roads	Average Traffic Intensity as revealed in the detailed census conducted during (PCU)		Percentage increase during 2009-10 over	Annual percentage increase during 2009-10 over
	1970-71	2009-10	1970-71	1970-71
1	2	3	4	5
1. National Highways	2572	25610	895.70	23.57
2. State Highways	1115	9321	735.96	18.40
3. Major District Roads	806	3704	359.55	8.99

CHAPTER - 6

NATIONAL HIGHWAYS

NATIONAL HIGHWAYS :

1. The original Works and Maintenance of National Highways in the state comes under the jurisdiction of P.W.P. & I.W.T.D. and the entire expenditure is borne by the Government of India. National Highways Zone is specifically functioning for this purpose.

The Fifteen National Highways which are passing through the Karnataka State.

SI.No.	N.H.No.	Description	Length in Kms. in the State
1	2	3	4
1	4	Kolar - Bangalore - Belgaum - Pune	699.59
2	4(A)	Belgaum - Khanapur - Anmod Panjim	84.12
3	7	Benaras - Nagpur - Hyderabad - Kurnool Bagepalli - Bangalore - Hosur - Krishnagiri - Salem - Madras - Madurai - Kanyakumari	134.01
4	9	Poona - Sholapur - Humnabad - Hyderabad Vijayawada	75.01
5	13	Sholapur-Chitradurga - Shimoga-Mangalore	714.66
6	17	Panvel - Panaji - Karwar - Coondapur - Udupi - Mangalore - Cannanore - Trichur	300.10
7	48	Bangalore - Kunigal - Hassan Sakaleshpur - Mangalore	319.50
8	63	Ankola - Hubli - Gooty (AP)	368.60
9.	67	Mettupalyam-Ooti-Gundulpet	26.10
10.	206	Tumkur-Shimoga-Honnar Road	370.63
11.	207	Hosur (NH7) - Sarjapur-Devanahalli, Doddaballapur Dobespeth (N.H.4) Road	122.00
12.	209	Bangalore - Kollegal - Chamarajanagar- Satyamangala- Honnur - Coimbatore - Pollachi - Dindigal	203.52
13.	212	Kozhikode-Mysore-Kollegal	151.00
14.	218	Bijapur-Hubli	412
15.	234	Mangalore-Belur-Sira-Madhugiri-Chintamani-Mulbagal to A.P. Border	509.50
		Total	4490.34

2. The details of grant allocated for National Highways and details of outlay since 1987-88 is given below, The entire cost will be borne by Central Government.

(Rs. in Lakhs)

YEAR	ORIGINAL WORKS		MAINTENANCE AND REPAIRS	
	GRANT	OUTLAY	GRANT	OUTLAY
1987-88	1450.00	1456.57	444.49	619.19
1988-89	1625.00	1657.33	622.79	793.52
1989-90	1800.00	1816.72	671.77	847.91
1990-91	1800.00	1920.43	767.83	885.03
1991-92	1775.00	2636.39	990.00	1189.33
1992-93	1850.00	1847.98	1105.85	1677.57
1993-94	2900.00	2131.74	1242.94	1088.02
1994-95	3189.00	2871.85	1509.40	1160.41
1995-96	3319.99	2965.69	1770.49	1209.91
1996-97	3530.54	4322.92	2457.80	2467.81
1997-98	4411.03	4413.57	3059.00	3066.52
1998-99	4908.05	4014.21	3112.00	3026.00
1999-2000	6113.76	5594.21	3921.04	3931.21
2000-01	9795.16	9461.63	3097.67	3086.02
2001-02	10982.55	10805.29	3902.45	3983.16
2002-03	8970.97	9504.08	4582.28	4644.56
2003-04	15034.83	16613.29	3873.07	3806.65
2004-05	76905.00	76905.00	3582.00	3535.00
2005-06	8861.22	8863.96	4143.80	4200.11
2006-07	8890.95	8635.00	3988.00	4018.46
2007-08	9950.00	9950.00	5943.81	6030.75
2008-09	19951.33	21518.59	7124.30	7327.17
2009-10	30527.00	30527.00	6476.00	6010.19
2010-11	26000.00	27623.64	6850.00	7151.04

3. State Road Works under Central Road Fund (CRF)

14 Works to the tune of Rs. 65.64 crores has been approved under Central Road Fund, during the financial year 2010-11 out of the cess charged at Rs. 1.00 per litre of petrol and diesel sold in the State. Six road works have been approved during the year under the scheme.

The grant and outlay since 1986-87 under different schemes :

(Rs. in lakhs)

YEAR	INTER STATE IMPORTANCE		ECONOMIC IMPORTANCE		ALLOCATION (CRF)		ORDINARY RESERVE (CRF)	
	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay
1986-87	65.00	75.87	80.00	39.09	83.07	100.07	12.00	0.24
1987-88	70.10	38.42	80.00	92.49	96.10	45.69	10.00	0.55
1988-89	54.00	31.97	80.00	108.58	93.90	28.04	45.60	0.93
1989-90	40.10	20.92	80.00	120.46	-	55.45	47.61	3.55
1990-91	45.20	18.92	70.00	129.68	96.20	56.38	39.88	16.08
1991-92	30.20	18.88	80.00	95.59	131.25	68.72	60.62	19.83
1992-93	40.00	21.78	90.00	117.54	224.00	197.76	15.00	18.12
1993-94	6.57	6.59	63.45	63.45	172.00	176.61	7.22	7.22
1994-95	1.26	3.23	78.24	80.90	131.86	131.88	2.06	2.07
1995-96	70.00	2.11	30.00	102.89	90.00	153.25	10.00	4.56
1996-97	60.00	40.02	45.00	5.00	80.00	130.55	20.00	—
1997-98	599.50	207.00	600.50	348.00	125.99	53.45	—	—
1998-99	700.00	505.00	1000.00	882.00	130.00	128.00	—	—
1999-2000	530.00	530.07	800.00	776.54	240.00	107.02	—	—
2000-01	770.00	714.75	40.00	218.99	460.00	123.92	—	—
2001-02	525.00	531.31	990.00	1007.93	3256.00	3164.56	—	—
2002-03	400.00	386.32	5.00	7.94	2750.00	3037.40	—	—
2003-04	20.00	9.26	210.00	209.27	1355.50	2583.46	—	—
2004-05	39.89	—	1425.53	578.46	7079.03	5566.51	—	—
2005-06	474.87	269.11	928.10	401.44	8065.43	7368.80	—	—
2006-07	1385.00	1469.46	1350.00	1427.80	8065.43	8065.43	—	—
2007-08	2514.00	1927.41	2330.00	1829.77	8186.00	8081.87	—	—
2008-09	2087.00	2087.00	998.00	990.00	5640.53	5639.89	—	—
2009-10	1774.00	1771.50	1376.00	1376.00	11708.00	11708.00	—	—
2010-11	650.00	650.00	1200.00	1200.00	5000.00	5000.00	—	—

IMPORTANT WORKS ON NATIONAL HIGHWAYS :

Totally, 135 works (including spillover works) like widening, strengthening, IRQP, improvements to Major/ Minor bridges are taken up. Among these, 84 works have been completed, 83 Kms of widening, 180 Km. of IRQP are completed. An amount of Rs.278.88 crores has been spent towards this during the present financial year.

STATE HIGHWAYS AND MDRs IMPROVED UNDER ECONOMIC IMPORTANCE & INTER STATE CONNECTIVITY SCHEME :

Under Economic Importance Scheme, 20 works are approved for Rs.89.70 crores from 2002-03 to 2010-11. During the present financial year, an amount of Rs. 12.00 crores has been spent.

Under Inter State Connectivity Scheme, 23 works are approved for Rs.245.20 crores from 2002-03 to 2010-11. During current financial year an amount of Rs. 6.50 crores has been spent.

CHAPTER - 7

DEPARTMENT OF ARCHITECTURE

INTRODUCTION :

The Department of Architecture is functioning as an independent Department since 30-10-1986. The main objective of the Department is to furnish Architectural Design Drawings for buildings of various Government Departments throughout the State of Karnataka. Architectural Design Drawings are prepared based on the requirements furnished by the user departments, site condition and other prescribed standard and norms.

The Department also furnished Architectural Drawings to Quasi Government Organisations, Autonomous Bodies, Boards, Development Authorities, like Bangalore Development Authority, Corporations, Municipalities etc., on request after collecting architects fee.

Whenever a request for Architectural design is received from the user department or an Engineering Department, the concerned team of Architects makes a thorough study of all the aspects of building design. The approach to any project is highly professional and creative in nature. All requests, whether they are new proposals/ alterations and additions to the existing building/ ongoing works, are all dealt with equal importance, giving utmost priority to budgeted works. This office is committed in issuing the necessary Architectural drawings in time, based on the stage of the project. For e.g. schematic drawings for Administrative sanction or detailed drawings for technical sanction or working drawings for execution. The department undertakes periodical inspections of building projects which are under construction at various places in order to solve the problems encountered by the site Engineers at the time of execution and to see that the works are executed in accordance with the drawings furnished by this Department.

In addition to Architectural Design Drawings the Department also furnishes detailed working drawings, joinery details, Interiors and for services like Electrical, plumbing and Sanitary etc., which are essential for executing the building projects.

ADMINISTRATION :

Central office of the Department of Architecture is functioning at Bangalore. Sri K. Udaya is working as Principal Chief Architect since 12-4-2007 and under his guidance, Deputy Chief Architects, Deputy Architects, Senior Assistant Architects and other Technical staff have prepared Architectural drawings. Principal Chief Architect and other Officers of the Department have undertaken site visits to most of the projects during construction at various stages. With a view to fulfill the urgent needs of the works of Northern parts of the State, more site visits are undertaken.

This Department has a Computer Wing and Computers are being used for preparing Architectural Design drawings and also for Administration purpose.

FINANCIAL :

No Architects fee is collected for designing Government buildings. However, Architects fee is collected in case of Quasi-Government Organisations, Corporations, and Z.P. Works, etc.

PROGRAMME / PROCESS :

The main aim of this Department is to provide very efficient, economical and user friendly designs based on the requirements of the User Departments.

There is need for reviewing Cadre and Recruitment Rules of this Department and necessary steps have already been initiated in this regard.

During the year under report, the Department has prepared and furnished about 658 Architectural Design Drawings to various Government building projects costing about Rs. 493 crores.

SUMMARY/ CONCLUSION :

With better coordination from the Government, user Departments and the Public Works Department, this Department can function more efficiently and provide better designs in terms of usage, economy and aesthetics and necessary working drawings and detailed drawings for services etc., can also be given in time.

CHAPTER - 8

PORTS AND INLAND WATER TRANSPORT

PORTS :

The state has a maritime coastline of 300 Kilometers with ten Minor Ports under states control are :

- 1. Karwar**
- 2. Belikere**
- 3. Tadri**
- 4. Honnavar**
- 5. Bhatkal**
- 6. Kundapur**
- 7. Hangarakatta**
- 8. Malpe**
- 9. Padubidri**
- 10. Mangalore (Old)**

During the past plan five years periods certain basic facilities for handling cargo have been provided based on the necessity at Karwar, Belekeri, Tadri, Honnavar, Bhatkal, Kundapur, Hangarakatta, Malpe and Mangalore Port (old) and these ports have handled total exports of 29.02 lakh metric tonnes and imports of 1.81 lakh metric tonnes during the year 2010-2011.

Karwar port has been developed under state sector and is functioning as an All Weather Port. This port is handling all class of goods for Export and Import including Petroleum products with alongside berths. Karwar port helps prominently for the development of hinterlands in Northern Karnataka. Mangalore Port has been developed for coastal shipping activities. Belekeri Port has been developed under private participation. During the year 2010-11 the Karwar port handled 11.27 lakhs M.T. of cargo as against the 22.38 lakhs M.T. of cargo handled during the previous year. The total revenue receipt of Karwar port during the year 2010-11 is Rs.964.56 lakhs as against Rs 1227.00 lakhs of the previous year. During the year the Belekeri Port handled 18.31 lakhs M.T.of cargo and earned Rs. 553.82 lakhs as against Rs. 1462.21 lakhs of previous year.

A sum of Rs.1051.36 lakhs has been provided in the annual plan for 2010-11 under state sector for development of ports under the control of State Government. Out of this, a sum of Rs.676.36 lakhs is for the development of Karwar port, Rs. 264.75 lakhs for the development of Mangalore port (old) and Rs.110.25 lakhs is provided for remaining minor ports and for Inland Water Transport. The total expenditure incurred during 2010-11 for the development of the ports is Rs. 1005.02 lakhs. Construction of wharf at Old Mangalore Port at an estimated cost of Rs. 914.00 lakhs and construction of Lighterage wharf at Karwar port at an estimated cost of Rs. 165.00 lakhs are under progress. Signal lights and channel marking bouys have been provided to the Karwar, Belekeri, Kundapur, Malpe & Mangalore port for safe navigation of ships. Infrastructure facilities like construction of jetties, ramps, improvement of roads & wharfs etc., have been provided at minor ports.

INLAND WATER TRANSPORT

There are 366 ferry services in the state, out of which 15 Ferries are managed by the department by putting into use of mechanised boats. 63 Ferries are run by auction lease under the supervision of the department. Remaining 288 ferries are being operated through Zilla panchayat / Tourism / Forest Department and other private agencies. 4 LCTs and 3 mini LCT's, 6 mechanized steel boats, 9 fibre glass mechanized boats,

1 Ferro cement mechanized boat, 15 fibre glass dumb boats and 5 wooden dumb boats are flying in these ferries.

The Ferry services under the departmental management during 2010-11 have handled 15.74 lakhs passengers, 7.15 M.T. of cargo, 3.05 lakhs different types of vehicles.

COASTAL PROTECTION WORKS :

For handling the Sea erosion problem in the State collecting data of frequently sea erosion sites scientifically keeping in view the environmental aspects, considering the interest of Fisheries, Tourism and to Protect the properties of the local community the details at critical points along the entire coast is being collected. For the coastal protection works Rs 1038.69 lakhs has been spent during the year under the head of account 4711. Construction of 250 mtrs. length sea wall at Dubbanshashi in Kumta taluk, 250 mtrs. of seawall at Kasarkod and 600 mtrs. at Manki Doddagunda in Honnavar tauk, 590 mtrs. at Kundapur Paduvari, 486 mtrs. at Ulliyargoli, Padutonse, Kapupadu, Padukere, in Udupi taluk and 175 mtrs at Hosebettu in Mangalore taluk are under progress.

2010-2011 REVENUE RECEIPTS AND EXPENDITURE :

The revenue receipts for 2010-11 in respect of Ports is Rs. 1754.76 lakhs and in respect of Inland Water Transport receipt is Rs. 44.66 lakhs. During the year 2010-11, expenditure incurred for the development of Ports and Inland Water Transport and for construction of seawall under the Plan scheme is 2043.71 lakhs and under the Non-Plan is Rs 724.26 lakhs.

